GROUP SIX - Project: Notique - "Craft and organize your notes"

This document outlines the comprehensive construction plan for the Notique project, using Flet (Python) for the frontend and Django for the backend.

**GROUP SIX**

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# 1️⃣ Environment Setup (Week 1, Day 1-2)

✅ Backend (Django)

- Install Python and Django  
- Set up a Django REST Framework (DRF) API  
- Configure SQLite/PostgreSQL for data storage  
- Set up GitHub repository for version control

✅ Frontend (Flet)

- Install Flet  
- Set up the frontend directory  
- Configure Flet to communicate with Django API  
- Test the initial Flet environment

# 2️⃣ UI & Feature Development (Week 1, Day 3 - Week 2, Day 4)

## Core UI (Week 1, Day 3-5)

- Home Screen: Displays a list of notes  
- Add Button: Floating action button to create a new note  
- Note Editor: Create/Edit notes using `ft.TextField`  
- Settings Page: Theme selection, text size adjustment

## Basic Functionality (Week 2, Day 1-3)

- CRUD Operations: Create, Edit, Delete, and Save Notes  
- Database: Store notes in Django (SQLite/PostgreSQL)  
- Categories & Tags: Organize notes by category

## Advanced Features (Week 2, Day 4 - Week 3, Day 2)

- Search Notes: Implement a search bar  
- Cloud Backup: Sync notes using Django API (hosted on PythonAnywhere)  
- Share Notes: Send via email or social media

# 3️⃣ Testing & Optimization (Week 3, Day 3-5)

- Unit Testing: Test API endpoints and note CRUD  
- UI Testing: Check Flet UI responsiveness  
- Performance Optimization: Optimize API response times  
- Bug Fixes & Code Cleanup

# 4️⃣ Deployment & Finalization (Week 3, Day 6-7)

- Backend Deployment: Deploy Django API on PythonAnywhere  
- Frontend Deployment: Package Flet as an executable app  
- Final Testing: Ensure full functionality  
- Documentation & User Guide